

**Abstract**

A method for forming a brake assembly for a motor vehicle includes a wheel hub, a knuckle, and a brake rotor. The wheel hub includes a neck portion and a flange portion having a flange face. The flange face has a plurality of bolt receiving holes formed therein. The wheel hub is placed in rotational communication with the knuckle. The flange face of the wheel hub has a brake rotor secured thereto. The brake rotor has an inner surface, which is subjected to final finishing in order to reduce lateral run-out of the brake rotor.

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